



6-2024  
Y-12 Photos By Vince Moore  
PICTURED ABOVE ARE TWO OF THE SMALLER Y-12 DEPARTMENTS THAT REPORTED 100 per cent participation and above quota contributions early in the Community Chest Drive. Their records have been matched by many other groups since the pictures were made. At top is the Laundry group being signed up by C. A. McAlister, foreman, at left. Seated from left are Lucy Hankins, Nancy Case and Sarah Coram. Standing are Maude Duncan, Jennings Baird, Mary Branhams, Anna Mae Wagner, Ollie Morris, Lillian Hamlet, Laura Kennedy, Flossie McGee and Dora Johnson. In the lower picture are members of the Standby Plant Maintenance Department. Front row, from left, J. J. Calloway, B. F. Nicely, A. A. Groppe, W. L. Beeler, Joe Inman and C. J. Beckett. In the rear are A. K. Bowles, E. T. Wallace, Bruce Harrington, L. M. McGinnis, L. M. Thompson and C. C. Nelson.

## Of Ch. E. Meeting Set for Tonight In ORINS Room

All Y-12 members of the Knoxville-Oak Ridge Section of the American Institute of Chemical Engineers are urged to attend the final fall seminar session of the section at 8 o'clock tonight in Room 20, Oak Ridge Institute of Nuclear Studies building, located in the rear of the Atomic Energy Commission administrative building.

Richard Stephenson, of the Oak Ridge National Laboratory, will be the principal speaker at the meeting tonight. His topic will be "Continuous Multistage Ion Exchange."

### LONDON TIMES OBJECTS

The London Times recently objected to a British tendency to regard the hydrogen bomb as an exclusive American project. The paper points out that British contributions to the work has been considerable, citing the efforts of Sir John Cockcroft, director of the Harwell atomic energy project in England.

## Additional Benefits Provided Employees In Armed Service Under Revised Plan

A revised military plan has been announced by the Company to provide for certain additional benefits to employees entering the Armed Forces of the country. The Carbide policy is to aid such employees and preserve their rights and privileges when they return to work with the Company.

Under the military plan any employee who is on the active payroll at the time of entering military service and who has one year or more of Company service will receive one month's straight-time salary or four and one-third weeks' pay. Under this policy an employee who has received one such payment after June 25, 1950, is not again eligible for such payment if he re-enlists or is drafted. Employees entering military service who is a participant in the Company group insurance plan will be reimbursed by the Company for the amount of one year's premium on any amount of national life term insurance purchased up to the amount of his Company group insurance plan life insurance. Participants in the group hospital, surgical and medical group insurance plan life insurance. Participants in the group hospital, surgical and medical insurance plan who enter military service may continue complete coverage for themselves

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Continued on Page 6

## Credit Union Books Will Be Out Soon

Members of the Y-12 Employees Credit Union will receive their pass books, posted for the quarter ending September 30, on or about November 20, it was announced last week by Don Phillips, president. The books will be distributed by field representatives of the credit union. Further plans for the distribution will be announced next week in The Bulletin.

## Y-12ers Seen Meeting Community Chest Goal Of \$5,000 This Week

**\$4,000 Already Raised As Response Good Throughout Plant; Janitors Pass Hat To Be Sure Department Is 100 Per Cent**

With approximately \$4,000 of the \$5,000 goal reported raised by Monday morning of this week, indications are bright that Y-12 will have reached its quota and gone "over the top" in the 1950 Oak Ridge Community Chest drive by the time this edition of The Bulletin is distributed. Many departments already have checked in with 100 per cent participation in the campaign while a few are merely awaiting return of employees on vacation or ill to file similar reports.

The campaign again is demonstrating the generosity of Y-12ers in responding to any worthy appeal made to aid humanity. Those red feathers worn by contributors to the Community Chest weigh mighty little when computed in terms of human welfare performed by the agencies participating in the Chest.

### Response Uniformly Good

The response by Y-12ers has been uniformly good throughout the plant, according to Joe White, co-chairman of the drive Y-12. Although giving credit to all divisions, he pointed out Monday morning that Maintenance Division employees in particular were coming through in fine style.

One of the best human interest stories in the entire city-wide drive came out of Y-12 last week.

### Janitors Make Sure

The Janitors Department had contributed all the way to the campaign but found that one member of the group was absent because of illness. To be certain that the department got into the 100 per cent group, the other employees passed the hat with the proceeds to represent the contribution of the absent employee.

What happened? The department ended up \$4 over its quota.

## ORNL Development Engineer To Address Instrument Group

Joseph Lundholm, development engineer at the Oak Ridge National Laboratory, will be the principal speaker at the monthly meeting of the Instrument Society of America to be held tonight, Wednesday, November 1. The meeting will be held at 8 p. m. in the Knights of Columbus home.

The speaker will describe available means of proportional control for electric furnaces. He received his bachelor's and master's degrees from Kansas State College and spent two years at that institution as instructor in mathematics and as graduate assistant in the physics department. Lundholm has been with ORNL for two years.

All Y-12 members of the society are urged to attend the meeting.

### ATOMIC SHELTERS PLANNED

New York newspapers have reported that Welfare Commissioner Raymond M. Hilliard has announced that 47 emergency welfare centers will be set up in the city to provide food, shelter, clothing and information in case of an atomic attack.

## Attendance Record Again Is Improved

The plant-wide absentee mark in Y-12 took another drop for the week ending October 22, registering 1.8 per cent. This is .1 per cent lower than the preceding week.

### Seven Departments Perfect

Seven departments, all in the Minor League, reported perfect attendance marks for the latest reporting period. Of the seven, four were repeaters from the previous week. They were Receiving and Shipping, Superintendents, Cafeteria and Plant Records. The other three departments advancing to a tie for first place were the Steam Plant, Health Physics and Hygiene and Manufacturing Office. These groups advanced from third, seventh and 10th places, respectively, held for the week ending October 15.

Second place in the Minor League was held by Plant Engineering with .46 per cent of its personnel absent. In third place was Transportation with an absentee record of .5 per cent and which rose from ninth position.

### Major League Race Close

The Major League attendance race was close for the top three departments. In first place was the Assay Laboratory with an even .3 per cent of its members absent. This group rose from fourth place held for the week

Continued on Page 4

## Carbide Wives Set Supper Saturday

The annual buffet supper and card party of the organization will be given Saturday night, November 4, by the Carbide Wives. The affair will be held at the Oak Terrace and all wives of Y-12ers are invited to attend and bring their husbands.

Reservations may be made with Mrs. Fred R. Sexton, wife of a Y-12er, telephone 5-3266, or Mrs. C. B. Mills, telephone 5-5441. Tickets are \$3.75 per couple.

## SAFETY SCOREBOARD

Your Plant Has Operated

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Without A Lost Time Accident

Through October 29



# The Bulletin

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Y-12 Employees Of  
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## Responsibility Of Government Rests On Every Voter—Don't Fail To Vote Tuesday

Next Tuesday, November 7, is election day in Tennessee when qualified voters in the state will choose many county, state and national officials to serve them. The fathers of the nation wisely provided a division of power and responsibility in the government of the United States and left it up to the people to see that these powers are not usurped or abused.

Voting is both a privilege and responsibility of every citizen—to make his or her voice heard in the matters of government. Following is a series of four questions showing just how various branches of government help operate the nation. Read them—and see just how much that voting privilege and responsibility means to the individual.

**I. Representatives of three groups of government help run our country. How does this work?**

The responsibility of running the country is divided up among

BY VOTING WE ELECT OUR REPRESENTATIVES TO ALL BRANCHES OF GOVERNMENT—SO, THROUGH VOTING, WE PROTECT THE PEOPLE'S SOVEREIGNTY.

OUR SYSTEM IS SUCCESSFUL BECAUSE IT DISTRIBUTES RESPONSIBILITY AND AVOIDS STRONG CONTROL IN THE HANDS OF A FEW.



operate in practice?

Local, state and national governments have their specific jobs to do. This arrangement helps to spread around some of the tremendous amount of work connected with running a country.

**III. How is the sovereignty of the people protected under our form of government?**

This backs up to the voting power of the people. They alone elect the representative of all branches of government, from local officials at home to members of Congress of the United States. Thus the people, through voting, really protect their own sovereignty. The system of government merely creates working arrangements to give them a means of doing so.

**IV. Has our present system been successful?**

It certainly has been. Distribution of responsibility and balancing power to avoid centralization in one person or faction goes a

THE COUNTRY IS RUN BY OUR ELECTED REPRESENTATIVES IN NATIONAL, STATE, AND LOCAL GOVERNMENTS.

EACH HAS A SPECIFIC JOB, WHICH HELPS SPREAD AROUND THE WORK OF RUNNING OUR COUNTRY.



## Smiling Voice, Courtesy Pays In Telephoning

Have you got a "voice with a smile" over the telephone? Practically all Y-12ers have and it is real easy to develop a voice personality in conducting a telephone conversation—making it easier on both the caller and answerer.

Here are a few tips on how to use a telephone as an aid to business by giving the person on the other end a refreshing impression. They are applicable both in calls within the plant and particularly to outsiders who may judge the Company by the pleasant service and conversation rendered.



Answer as promptly as possible after the telephone starts ringing—if possible right after the first ring. Then give the caller full attention. Continuing to talk to someone else after lifting the receiver may annoy and delay the caller.

Answering "Hello" is much like saying "Guess who this is." It is less confusing to give your name—or department—when answering, such as "This is Green," or "Green speaking," or the telephone number, followed by the name of the speaker.

When answering a telephone for someone else it is not tactful to say "Who is calling?" It is better to say "May I have your name please and I will see if Mr. Green is available." If the person sought is not in just say "Mr. Green is out of the office, may I tell him who called?"

If it is necessary to ask callers to hold the wire during the call, it is courteous to explain why and how long you will be away from the telephone and thank the caller on return. If some time is needed to obtain requested information it is well to offer to call back.

After saying "Good-bye," hang up the telephone gently. A receiver slammed in the ear of a caller is like slamming a door on a visitor and one sure way of making them irate.

These are just some general hints on use of the telephone—the whole matter being just a sense of courtesy and politeness toward callers.



Only one Y-12 employee was listed as a parent of a baby born last week in the Oak Ridge Hospital. He is J. D. Tolliver, Utilities Maintenance, who became father of a girl born October 24.

## ORNL Physicist Will Talk At Seminar Meeting Friday

"Neutron Irradiation of Semi-Conductors" will be topic of discussion at the weekly meeting of the Oak Ridge Physics Seminar Friday, November 3. The meeting will be held at 4 p. m. in the East Lounge of the Ridge Recreation Hall with J. H. Crawford, of the Oak Ridge National Laboratory Physics Division leading the discussion.

All Y-12 technical and scientific personnel interested in the subject are invited to attend the seminar sessions.

## B. P. W. Club Honors Catherine Carroll

Miss Catherine Carroll, of the Y-12 Analytical Laboratory, was one of 14 women in Oak Ridge recently cited by the Business and Professional Women's Club as "measuring up to full partnership." The citation was by vote of club members taken during National Business Women's Week.

Miss Carroll is a laboratory analyst and has a M.S. degree from Alabama College, Montevallo, Ala.



The following Y-12 employees were patients in the Oak Ridge Hospital last week: Raymond H. Young and Dennis W. Davis, Chemical; Lois Kate Penland, Uranium Control and Computing; Newton A. Stone, Isotope Research and Production; Charles D. Woods, Buildings and Grounds; Lewis Childs, Electromagnetic Research Division.



This may be a scoop on Evan Means' "The Hole Truth" column (it is hoped) but scoop or not it is another good fishing yarn on one of the members of that old piscatorial pair—Guard Dept. Capt. Ray Ledford and J. L. Titlow, of the Fire Department. Seems as how they were over around Norris way recently and not having much luck when the captain snagged him a fish. So eager was he to land the quarry, 'tis said, that he became excited, thrilled and got a don't-give-a-darn-about-anything-else attitude. He just wasn't going to lose that fish—even if he had to dive overboard for it. Well—that's what happened, narrators of the story declare, who opine that it was fishing the hard way. Whether the cap'n got the fish in the end was not revealed. Anyhow, Titlow says it wasn't even a cooking size fish anyhow.

A trip up to Franklin, N. C., was taken last week end by Winnie Miller, of Employee Relations. She visited Ruth Patton, a former Y-12er.

Paul Ziemke, of the Safety Department, is back after a vacation trip of one week to East Tennessee and Virginia.

Arminta Chitwood, of the Plant Records Department, and her husband spent two weeks vacationing in Oklahoma and Texas.

Penny Keene, of the Medical Department, and her husband, Oliver, of the Property Department, spent last weekend in Macon, Ga., with relatives. Dr. C. R. Sullivan has returned from Lancaster, Penn., with his family; and now has them settled in Oak Ridge. Dr. P. D. Scofield has returned from a business trip

to Texas City. Virginia Smith spent a recent week end with her folks in Dante, Va. Lillie Cobble and her husband Ernest, of the Buildings and Grounds Department, had his son and daughter-in-law, Mr. and Mrs. Raymond Cobble, and their small son, from Rogersville, as recent week-end guests. They all attended the Alabama-Tennessee football game in Knoxville.

Elizabeth Young, of the Analytical Chemical Division, is spending two week's vacation in Washington, D. C., and Sweetwater, Tenn. Wilma Scarbrough is back from a week's vacation spent at home in Maryville, Tenn.

H. R. Akins and C. E. Dalton, of the Electrical Maintenance Department, have both reported back from a week of vacation. W. S. Miller is vacationing for two weeks.

Frank J. Lambert, of the Isotope Research Department, and his wife are vacationing in New York, this week. J. A. Griffin spent the week end on his farm in Middle Tennessee. Carl Frazier had as recent guests his two sisters-in-law from Van Lear, Tenn., and they were among the many spectators at the Tennessee-Alabama football game. The department extends get-well wishes to Newton Stone who is ill in the Oak Ridge Hospital. George Banic and his wife Earline, are finally off on that postponed vacation. They flew to Pennsylvania for a week.

Charles Sweeten, of the Cafeteria, is vacationing for a week at home in Lenoir City.

Bill Burns, the bowling and baseball man from Isotope Research and Production, took off over the week end for Atlanta to

## Dr. Meyers Will Describe Book On Headlines Program

Dr. Orlo Meyers, of the Oak Ridge National Laboratory, will be interviewed by C.D.W. Thornton, of the Atomic Energy Commission, on the Headlines in Chemistry radio program set for 9:15 o'clock Sunday night, November 5. The program is sponsored by the East Tennessee Section of the American Chemical Society.

In the interview Dr. Meyers will describe portions of his new book on the subject of radio-chemistry, to be released soon.

see the Ga. Tech. Engineers play the big blue Kentucky Wildcats. An old adage is that "it is an ill wind that blows no good." However, that recent Florida hurricane blew no good at all for Tom A. Burkett, former Y-12er with many friends in the plant. These Y-12ers were shocked to hear last week that the big blow had wrecked a new home just purchased by Burkett in Miami, where he has been living since July 1.

The Product Chemical Department extends get-well wishes to Maude Whaley who is in the Baptist Hospital in Knoxville. The department welcomes Mary Cusman and Cheryl Duncan to their roster.

The Stores Department wishes to extend sympathy to Claude Walker and his family at the death of his mother-in-law, Mrs. Major Hardin, of Hardin Valley. G. H. Booth took the Cannon Ball Express to Kalamazoo, Mich., to visit friends there over the weekend. E. H. Hutson didn't tell a soul where he was spending that vacation he had last week. J. D. McGuffin, Edith Cruze, Margaret Johnson and Mar Smith were among the thousands who witnessed that Tennessee-Alabama football classic in Knoxville.

R. R. Tippy, of the Manufacturing Offices, spent a week of vacation in Virginia and Oak Ridge.

Nancy Garrison, of the Uranium Control and Computing Department, spent a week's vacation with her folks in Anderson, S. C.

O. W. Briscoe, of the Assay Laboratory, spent a week's vacation in Florida and planned to do some fishing while there. Mary K. Young is back from a two-week vacation. Dorothy Reynolds has returned from a week of vacation.

So the boys down NEPA way have been seeing flying saucers. P'raps some of them have been on Florida vacations recently and dropped into the NEPA Club around Miami. Yeah, there really is such a place—if there are any unbelievers in the house just turn to Page Four for photographic evidence of same.



LITERALLY UPHOLDING "OLD GLORY" ARE THIS GROUP OF OAK RIDGE BOY SCOUTS, who pledge themselves to loyalty to the nation on joining the organization. In the front row are scouts whose fathers work in Y-12 and two scoutmasters who are Y-12ers. From left are Scoutmaster Charles F. Harrison then Scouts Terry Stansberry, Harry Bainbridge, Gordon Estes, Ray Williams, Preston Dillard, Brown Thornton, Pete Martin, Sam King, Ned Flack, Bob Harris, Roland Williams, Dickie Parker and John Esty with Scoutmaster Fritz Hedman at the extreme right. The Boy Scouts are a Red Feather Agency of the Community Chest. The flag in the picture belongs to the Lions Clubs of Tennessee and is 30 by 57 feet in size and weights 82 pounds.

Photo By Vince Moore





Photo By Vince Moore

**IN A RED HOT BATTLE FOR FIRST PLACE IN THE B League** is the Cubs team, pictured above. The Cubs are currently tied with the All Stars and Wolves for the loop leadership. Keeping score is Charlie Greene with his young son, David, looking on. Standing, from left, are Joe Thomas, Bill Haase, Sr., Elbert Scott, Bill Groope and C. H. Noe.

## Wolves Climb To Tie For B League Lead

Huffing and puffing their way to a four point whitewash victory over the Bumpers last Thursday night in B League bowling activities, the Wolves forced their way into a triple tie for the loop lead. They share honors with the Cubs and All Stars, who were deadlocked for the top spot prior to the night's hostilities and stayed that way by dividing their encounter.

### League Race Is Close

In other league engagements the Rippers ripped the Bums for three points, the Comets whitewashed Maintenance, the Head Pins stung the Wasps for four and the One-91 outfit, which had been the doormat of the league, snapped out of it by twisting the tails of the Tigers for a four point win. One-91 is now tied for last place with the Bums in the red hot league race.

Jack McLendon, keglering for the Comets, took most of the individual honors. He tied with Al Groppe, of the Rippers, for the best scratch game of 201 and went on to post the best scratch and handicap series scores of 559 and 640. John Reece also of the Comets, got into the act with the best handicap game score of 229.

### One-91 Team Scores Well

In smacking down the Tigers the One-91 pinmen had the best handicap scores of the night with a 1,011 single game and 2,903 series. The All Stars led the bunch with a 854 scratch game and the Comets' 2,437 scratch series was tops for the night.

### League standing follows:

Team	W	L	Team	W	L
Cubs	21	11	Wasps	17	15
All Stars	21	11	Bumpers	13	19
Wolves	21	11	Head Pins	12	20
	20	12	Tigers	11	21
	19	13	Bums	10	22
Maintenance	17	15	One-91	10	22

## Women Varsity Bowlers Top Tulip Town By Usual Margin

Those Y-12 women varsity bowlers are making it a habit — of winning their Oak Ridge City League matches by a two-out-of-three margin. They did it again last Thursday night against the Tulip Town lassies and now are tied for third place in the league behind Reeder's and Norris Creamery.

The Y-12ers rolled up a big margin in the first game, winning by 705 to 652, then dropped the second by the slim margin of 12 pins, 629 to 627. In the deciding game Y-12 won by 744 to 711 with the totals being 2,076 for the winners and 1,991 for Tulip Town.

Juanita Reed led the winners with 171, 134, 165—470; followed by Katie Williams 168, 139, 146—453; Oradean Upchurch 133, 127, 138—398; Olyne Kappelmann 116, 122, 144—382; and Ruth Law 117, 105, 151—373.

# Foster, Olsen and Nessle Are Winners In Y-12 1950 Plant-Wide Golf Tournament Flights

Organized golf hostilities by Y-12 divot diggers came to an end for the season last week as winners and runners-up in the lower three flights of the all-plant tournament were determined in matches at the Oak Ridge Golf and Country Club.

Ward Foster is the first flight champion, having defeated Fuzz Harris in the finals.

In the second flight Elmer Olsen took top honors by trimming Harvey Keese.

George Nessle won the third flight trophy by trimming Bill Morgan in the title engagement.

Previously Bill Reynolds had captured the championship flight

and title of plant champion for 1950 by trimming John Shugart.

Winners and runners-up in each of the four flights will be awarded the handsome trophies pictured in The Bulletin several weeks ago. The trophies, presented by the Company through the Recreation Office, have been termed the most beautiful yet obtained for contestants in plant tournaments.

Interest by Y-12ers in golf has been keen throughout the past season and competition arranged by the Recreation Office has resulted in a lot of fun and exercise for a large number of players. A plant golf league and two tournaments were sponsored by the

Recreation Office during the spring and summer months.

## Woes, Kemps Win To Increase Margin In Women's League

The Woes and Kemps increased their advantage in the W League of women plant bowlers last Tuesday night as the two top teams repulsed the third and fourth place Controllers and Cracker Jax for two out of three games in the weekly pin and patter session of the circuit. The Racquetters assimilated three points from the Striketees and the Hi Balls fizzed over the Dodgers for a pair of games.

Dot Park, of the Woes, and Ruth Law, of the Hi Balls, took top individual scoring honors for the night. The former popped out with a 184 scratch game, boosted to 240 with handicap. The latter came through with a snappy 483 scratch series and her handicap gave her 633, tops for the season in that bracket.

The Kemps swept all team scoring honors. Single game scores for this outfit were 783 scratch and 973 with handicap. In series totals they had 2,053 scratch and 2,799 with handicap.

### League standing follows:

Team	W	L	Team	W	L
Woes	16	8	Hi Balls	11	13
Kemps	15	9	Dodgers	10	14
Controllers	14	10	Racquetters	10	14
Cracker Jax	13	11	Striketees	7	17

## Elmore Koons Has Top Score As Y-12 Trims Silver Diner

Elmore Koons took his turn at leading the Y-12 men's varsity bowling team to victory October 23 with three points to the good over the Silver Diner keggers. The victory gave the Y-12ers a firmer hold on first place in the Oak Ridge City League.

Koons' top performance was his first game, a 203, which he augmented with games of 173 and 188 for a 564 series. Following were Frank Gragg 173, 172, 194—539; Ernie Cobble 186, 171, 157—514; Nelson Tibbatts 178, 148, 162—488; and Conrad Roberts 177, 155, 156—488. The Y-12 team score in this engagement was 917, 819, 857—2,583; to 839, 805, 892—2,536 for the opposition. After play of that night the Silver Diner, K-25 and Hoskins teams were tied for second place.

## Servicemen's Christmas Mail Must Go Before November 15

Any Y-12ers with relatives overseas in the Armed Forces who wish to send Christmas parcels to the service men must mail the packages before November 15 to be sure the gifts reach their destination before the holiday season, the United States Post Office Department has advised.

This mailing date has been designated as a deadline for all troops stationed outside the continental United States and received mail through the American Post Office, care Postmaster at New York, San Francisco, New Orleans or Seattle. It also covers naval personnel and other receiving mail through the Fleet Post Office at New York or San Francisco.

It is suggested that all packages be placed in wooden or metal containers or in solid fibreboard and fastened with gummed tape. The contents should be cushioned with excelsior or scrap paper. No matches, lighter fluid or tobacco products may be mailed in packages to service men.

Only low conversation permitted here—sign in Boston library.



Y-12 Photo By Vince Moore

**THESE FOUR Y-12ERS LED PLANT VARSITY TEAMS TO CITY CHAMPIONSHIPS DURING** the past summer season, bringing great credit to the plant and its personnel through the fine performances on the fields of combat and sportsmanship shown. From left to right are Lovellette Thompson, captain of the women's tennis team; Bill Burns, Co-Manager with Wes Savage of the Y-12 Cardinals baseball club; Helen Brown, captain of the women's softball team; and Avery Kendig, captain of the summer varsity bowling team of the plant. Each leader is holding a trophy awarded by the city recreation department. How the Materials Chemistry Division Halloween pumpkin got into the act is not certain—but the soon-to-be-pie fruit seems to be pleased with the proceedings.

## Orphans Swell Lead; Three Tied For Place

The Orphans lengthened their lead in the C League last week in the weekly pin session of the circuit by taking three points from the Hooks, which team was resting in second place before the night's activities. When the timber toppling was completed the Hooks, Hurricanes and Short Circuits found themselves in a three-way tie for second place, six points back of the high-flying Orphans.

The Hurricanes and Short Circuits played to a deadlock, each team taking a pair of points. Another tie was reported by the Thin Pins and Moles while the steadily improving Guards turned in three points to the good over the Hornets.

In surging forward the Orphans monopolized all team scoring honors of the night. Starting with a 824 scratch game, they increased the mark to 983 with handicap. Their scratch series score was 2,441, and 2,918 with handicap.

Reinhardt, of the Hooks, came through with the best single games of the night, a 216 scratch and 243 handicap. Harold Ratjen of the Thin Pins, posted a 516 scratch series for tops while Charley Greene, of the Hurricanes, had a 608 handicap series for best of the night.

### League standing follows:

Team	W	L	Team	W	L
Orphans	24	8	Thin Pins	16	16
Hooks	18	14	Moles	15	17
Hurricanes	18	14	Guards	12	20
Short Circuits	18	14	Hornets	7	25

## 'Pat' Roberts Joins WAF, Was Stellar Hurler For Robins

Patricia Jean—just "Pat" to a host of Y-12 friends—Roberts and the pitching half of the Roberts sisters for the Y-12 women's softball team last season, now is a WAF (member of the Women's Air Force, the airborne version of the WACS.) She joined up September 13, but was not called

to service until a few days ago and left for Lackland Field, San Antonio, Tex., last Tuesday, October 24.

"Pat" and her younger sister, Bonnie, the catcher, formed the star battery for the Y-12 Robins last season and between them were responsible for a large number of the victories chalked up by the team.

The girls are daughters of Ray Roberts, of the Y-12 Chemical Department, and Mrs. Roberts. Patricia Jean Roberts graduated from Oak Ridge High School in 1949 and has served as a playground director for the city recreation department.

Error of opinion may be tolerated where reason is left free to combat it.

## Isotopes Halt Drive Of Strikers Bowlers

The Strikers, of the D League of plant bowlers, finally got their bumps last week in the loop's alley activities, losing their first series of the season to the up and coming Isotopes by a three points to one margin. However, the second place Isotopes still are seven points back in the league standings.

### Old Men, Splinters Win Four

In other tilts last week the Old Men (spurred by Hadacol, no doubt?) whitewashed the Cermets and the Splinters whittled the same number from the Toppers. The other engagement resulted in the Pick Ups picking up three points from the Angstroms.

Despite their defeat the Strikers reported the top single game scorer of the night in Bill Burns, who posted the season's high scratch tilt of 225 and increased it to 249 with handicap for the best of the night. Leo Caldwell, of the Isotopes, had the best scratch series of the night with a fine 549 and his teammate, Bill Prater, posted a 644 series score with handicap for tops.

In team scoring the Isotopes reported the best scratch series of 2,325 and handicap score of 2,868. The Strikers had the top single scratch game of 847 but the Splinters came through with the top handicap game of 991.

### League standing follows:

Team	W	L	Team	W	L
Strikers	27	5	Splinters	15	17
Isotopes	20	12	Toppers	13	19
Old Men	19	13	Pick Ups	10	22
Cermets	15	17	Angstroms	9	23



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## Company Announces South Charleston Shifts; Dr. E. W. Rugeley To Direct Textiles Work

Announcement of the appointment of Dr. Edward W. Rugeley, Dr. George H. Law, and Dr. Raymond W. McNamee to new responsibilities in the Carbide and Carbon Chemicals Division, Union Carbide and Carbon Corporation at South Charleston, W. Va., has been made by Dr. Joseph G. Davidson, Division President.

## New Cancer Research Unit To Use Cobalt

The Atomic Energy Commission has announced preparation of a new cancer research project which will pioneer the use of radioactive cobalt in a therapy unit comparable to an X-Ray unit operating in the one to two million-volt range.

The new project will be a joint endeavor of the Oak Ridge Institute of Nuclear Studies and the University of Texas' M. D. Anderson Hospital at Houston, under a contract calling for the construction, testing and ultimate use of the radiocobalt irradiator for cancer research and treatment.

The Oak Ridge Institute will supply the facilities of its Medical Division's new Cancer Research Hospital and the Texas hospital will design and fabricate the irradiated unit. The M. D. Anderson Hospital, the post graduate School of Medicine of the University of Texas, was specifically organized for cancer research.

### To Erect New Building

The Baskerville Builders, of Knoxville is constructing a Telecobalt Therapy building to house the new unit. It is being built as an adjunct to the new Oak Ridge Cancer Research Hospital and will be approximately 650 square feet in size. The low bid for the project was \$21,591.

Cobalt is a metallic element. After being irradiated in the uranium chain-reacting pile or reactor, it becomes radioactive and gives off radiation similar to that given off by radium. Radioactive cobalt has certain advantages over radium in that it is cheaper, easier to handle and can be made to have any desired amount of radioactivity. Some radiocobalt has already been made having two to three times as much radioactivity as the same amount of radium.

### Beam More Penetrating

The radiocobalt irradiator being built by the institute and the hospital will consist of a spherical shield of some heavy metal such as lead with the radioactive cobalt enclosed in the middle. The shield will be approximately a foot in diameter and will have a slit in it through which the radiation from the radiocobalt will pass. With the irradiator, it will be possible for investigators to direct a small but very intense beam of penetrating gamma radiation to the tissue to be irradiated. The unit will be particularly suited for irradiating deep seated tumors such as pelvic tumors and will have the advantage over an X-Ray machine in that it will have a more localized and more penetrating beam and therefore will permit pin-pointing the radiation.

The preliminary research program of the institute and the Texas hospital will, among other things, determine the effect of radiation at various depths in tissue-like material, measure immediate and delayed skin reactions in animals, and measure the differential ab-

Dr. Rugeley, former Superintendent of the Research and Development Department at South Charleston, has been appointed Technical Director of the recently formed Textile Fibers Department. Dr. Rugeley has been with the Division since 1934 and has been closely connected with textile production since his service with the U. S. Navy in

World War I. A number of patents on synthetic fibers have been issued to him. He was born in Texas and received his doctorate at Yale University. He is a member of the scientific societies, Sigma Xi and Phi Lambda Upsilon, and of the Chemists Club and the American Chemical Society.

Dr. Law, former Assistant Director of Research, was appointed to the position of Associate Director of Research for Carbide and Carbon Chemicals Division. Dr. Law has been employed in the research work of the Division since he completed his graduate studies at Yale in 1929, and was prominent in the development of a new process for making ethylene glycol. At the same time, Dr. McNamee, former acting Superintendent of the Research and Development Department, was named Superintendent of this Department. Dr. McNamee has been connected with the Department since 1933, and has been particularly active in the development of chemicals for agricultural uses.

sorption in soft tissues, fat, bone and air-filled organs.

### To Determine Safety Precautions

In addition, the institute and the hospital propose to test the physical and biological characteristics of the therapy unit to determine the safety precautions necessary and to test the potential advantages of a high voltage gamma ray beam as it compares with conventional high voltage X-Ray beam.

The AEC, the institute and the Texas hospital emphasized that the radiocobalt irradiator will be thoroughly tested on animals before being used on humans. The date for placing the unit in operation is several months away. When sufficient animal work has been completed to assure investigators the results obtainable with the unit, the institute and the hospital will request specific permission from the Atomic Energy Commission to use the unit on selected cancer patients. The patients to receive such treatment will be selected initially by the 22 Southern medical schools participating in the institute's medical research program. The facilities will not be open to the general public.

No girl is too dull not to have bride ideas.

## Attendance Record Again Is Improved

Continued from Page 1  
ending October 15. In second place was the Analytical Laboratory with .36 per cent absenteeism and just behind in third place was the Materials Chemistry Division with .39 per cent of its personnel absent.

The plant-wide absentee record for the week ending October 22, by departments follows:

MAJOR LEAGUE				
Dept.	More Than 50 Employees	Percentage Absent	Standing	Scheduled
2283	0.3	1	4	
2282	0.36	2	10	
2300	0.39	3	1	
2619	0.5	4	2	
2091	1.0	5	3	
2320	1.2	6	1	
2015	1.3	7	9	
2616	2.00	8	7	
2014	2.03	9	6	
2142	2.2	10	11	
2003	2.7	11	8	
2077	3.2	12	5	
2360	3.9	13	12	

Group absentee percentage was 1.8 per cent lower than the preceding week.

MINOR LEAGUE				
Dept.	15-49 Employees	Percentage Absent	Standing	Scheduled
2143	0.0	1	1	
2200	0.0	1	1	
2107	0.0	1	1	
2046	0.0	1	1	
2743	0.0	1	3	
2108	0.0	1	7	
2133	0.0	1	10	
2060	0.46	2	1	
2008	0.5	3	9	
2002	0.88	4	1	
2096	0.9	5	4	
2109	1.0	6	13	
2001	2.7	7	8	
2064	3.5	8	11	
2005	3.6	9	2	
2739	4.0	10	1	
2270	4.7	11	5	
2145	7.6	12	12	
2140	8.6	13	6	
2090	10.7	14	14	

Group absentee percentage was four per cent, .3 per cent lower than the preceding week.

The plant average for week of October 22 was 1.8 per cent, .1 per cent lower than the preceding week.

## Additional Benefits Provided In Plan

Continued from Page 1

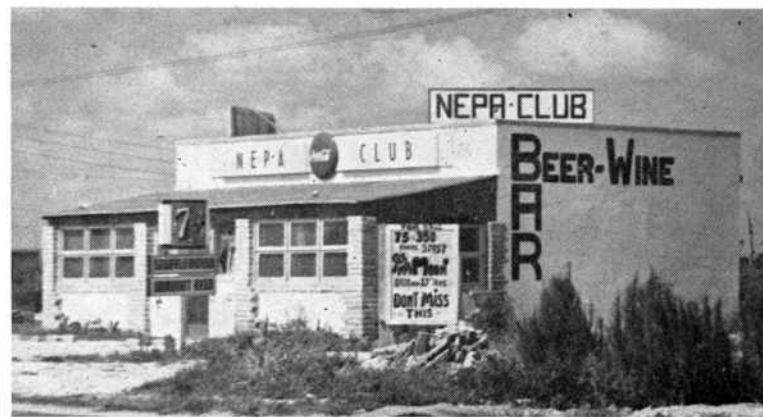
and dependents to the end of the month following the month they leave active employment provided they pay their regular share of the cost. Coverage for dependents only may be continued by paying the full amount of the dependents' cost.

Veterans will be re-employed in their former jobs if they have honorable discharges from either the Army, Navy, Marine Corps, Coast Guard, WACS, WAVES, SPARS or the women's reserve of the Marine Corps and apply for re-employment within 90 days after discharge. Exception will be made when military hospitalization follows discharge immediately. In such cases application for re-employment may be made within 90 days after release from hospitalization provided that the hospitalization does not exceed one year.

Veterans applying for re-employment must still be qualified to perform the duties of their former jobs. However, if by reason of service incurred disability a veteran cannot perform such work he will be re-employed in a job of equal status, seniority and pay. If prevailing conditions at the time make this impossible, the veteran will be encouraged to choose between existing jobs. On re-employment veterans will be given a reasonable length of time to adjust themselves to their jobs.

Another feature of the military plan is that the entire period of authorized leave for military service is credited as Company service. Vacation privileges also will be granted veterans under the plan and participants in the savings plan entering military service will be paid the amount they put into the plan, plus the deposits made by the Company on such amount, plus interest on both amounts at two per cent per year.

Several Y-12ers already have been called to service within the past several weeks in different branches of the service.



THIS IS ONE OF THOSE "NOW IT CAN BE TOLD" (OR published) things. Several weeks ago K. O. Johnsson, of the Y-12 Chemical Research Department, was vacationing in Florida and snapped the picture shown above. He submitted it to The Bulletin and the picture was forwarded to the NEPA News, plant publication of Fairchild Engine and Airplane Corp., and its editor, T. F. X. McCarthy, forthwith published same. That makes it news for The Bulletin as NEPA News credited this paper for the picture. In printing the picture NEPA News commented, "No one here seems to know what NEPA stands for so far South, but some local NEPAites have expressed an interest in buying it up—lock, stock and especially barrel—and moving it up to Oak Ridge headquarters."

## UCC Sales Up 23 Per Cent For First Nine Months Of 1950 Over Same Period Of 1949

Fred H. Haggerson, President, has reported a net income of Union Carbide and Carbon Corporation of \$99,410,080 for the first nine months of 1950, equivalent to \$3.45 a share on the 28,806,344 shares of capital stock outstanding.

This compares with net income of \$66,429,392 for the first nine months of 1949, equivalent to \$2.30 a share.

Net income for the third quarter ended September 30, 1950, amounted to \$38,604,881, equivalent to \$1.34 a share on 28,806,344 shares outstanding compared with net income of \$33,397,854 for the second quarter of 1950, equivalent

### UCC DIRECTORS VOTE SPECIAL DIVIDENDS

The board of directors of Union Carbide and Carbon Corporation last week declared a special dividend of 50 cents per share on the outstanding capital stock of the Corporation, payable in cash on December 1, 1950, to stockholders of record November 3, 1950.

Previous dividends paid during 1950 amount to \$2 per share.

to \$1.16 a share, and net income of \$24,303,252 for the third quarter of 1949 equivalent to 84 cents a share.

Sales for the first nine months totaled \$526,855,763, an increase of 23 per cent over the first nine months of 1949. Sales of \$206,015,190 for the third quarter increased 41 per cent over the same quarter of last year.

### CARL PATE EXPRESSES APPRECIATION FOR RED CROSS BLOOD AID

Carl Pate, the Y-12 janitor in the Electromagnetic Research Division whose four-year-old son was saved from possible death through the grant of rare-type blood for a transfusion, last week expressed his wholehearted appreciation to the Y-12ers and the Oak Ridge Chapter of the American Red Cross for speedily providing the life-giving fluid. It was "really wonderful," Pate said.

The child was badly burned while playing with matches and the blood transfusion was necessary in connection with a skin-grafting operation. Complicating the problem was the fact that the youngster needed a rare type of blood—B Negative. However, when Pate made known his need to Y-12ers, who speeded his appeal on to the Red Cross, two volunteers were quickly obtained to provide the blood.

Conscience — That still, small voice that says somebody's looking.

## Y-12ers And Wives Helping In Next Playhouse Program

Mary Blake, wife of Charles Blake of the Y-12 Materials Chemistry Division, will make her Oak Ridge debut in the forthcoming Community Playhouse production of "The Silver Whistle," scheduled for presentation in the high school auditorium November 30, December 1 and 2. Curtain time will be 8:15 p. m.

Mrs. Blake will portray Miss Hoadley, a perennially tipsy inmate of a church-sponsored home for the aged. How Miss Hoadley manages to keep herself stewed is a matter of some curiosity to her fellow inmates, who cannot discover where she has her bottle hidden.

### Means To Play Cop

Appearing briefly as a policeman will be the technical director and backstage titan of the Playhouse, Evan Means. Means also is supervising the construction and decoration of the unusual set required for "The Silver Whistle." The action of this whimsical comedy transpires in the courtyard of the home, with the church on one side and the home itself on the other. The rear of the set consists of foot-high wall, designed to convey the frustrated, shut-in feeling which the inmates have at the play's outset.

Assisting with backstage work are Ardis Leichenring, Martha Ross, and Charles Blake. Marshall Lockhart will assist with properties. Mrs. Ross and Mrs. Lockhart are wives of Y-12ers.

### Others In Cast Listed

Other members of the cast include Will Cole, Annemarie Pluhar, Russell McCauley, Kenneth Forrester, Elizabeth Smith, Lyman Bryan, St. John Davis, Mary Bryan, Gray Cameron, Fred Drosten, Paul Blakely, and Cliff Brill.

### AIN'T SCIENCE WONDERFUL?

The Philadelphia Inquirer observes editorially that it is comforting to know that the tools of atomic science can be used for peaceful purposes. The paper cites the report that, by use of atomic substances, archeologists have determined that Indians lived in New York state 5,000 years ago.